

REPORT OF CHANNEL CONDITIONS (FOR CHANNELS 400 FEET WIDE OR GREATER) (ER 1130-2-316)						Page 1 of 3		
						June 2002		
TO: Director, Marine Division Jacksonville Port Authority, Jacksonville, FL				FROM USACE. District Engineer Attn: CESAJ-CO-OM Jacksonville, Florida				
RIVER/HARBOR NAME AND STATE Jacksonville Harbor, Duval County, FL				MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD				
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Left Inside Quarter (feet)	Right Inside Quarter (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)				
St. Johns Bar Cut (East Section): Cut-3, from 2.1 miles seaward of Red Buoy-4 landward to Red Buoy-8	Feb-2000	800	3.6	42	38.5 (1)	40.9 (1)	41.7 (1)	36.0 (1)
From Red Buoy-8 to extended centerline of Mayport Navy Entrance Channel	Feb-2000	800	0.4	42	38.2 (2)	41.4 (2)	46.0	40.3 (2)
(West Section), from extended centerline of Mayport Navy Entrance Channel to Pilot Town Cut @ Green Buoy-11	Feb-2000	800	1.7	38	34.1 (3)	37.1 (3)	37.4 (3)	32.7 (3)
Pilot Town Cut: Cut-4 thru 6, from Green Buoy-11 to Mayport South Ferry Slip & Anchorage	Feb-2000	950	1	38	27.5 (4)	38.8	39.1	36.0
Mayport Cut: Cut-7 & 8, from Mayport South Ferry Slip to Red Buoy-18	Feb-2000	650-1050	0.7	38	37.5	38.8	39.2	35.1 (5)
Sherman Cut: Cut-8, from Red Buoy-18 to Red Buoy-20	Feb-2000	650	0.3	38	42.7	39.3	38.9	34.9 (6)
Mile Point Lower Range and Turn: Cut-9 thru 13, from Red Buoy-20 to Red Buoy-24	Feb-2000	650	0.9	38	38.9	38.9	37.2	30.0 (7)
Training Wall Reach: Cut-13 thru 16, from Red Buoy-24 to Green Buoy-25	Feb-2000	500-650	1.4	38	37.9	38.9	38.8	35.5 (8)
Short Cut Turn: Cut-17 thru 19, from Green Buoy-25 to Green Buoy- 27	Feb-2000	545-600	0.6	38	34.7 (9)	40.8	41.7	40.9
White Shells Cut: Cut-39 & 40, from Green Buoy-27 to Red Buoy- 34	Feb-2000	545-1200	0.8	38	35.8 (10)	38.3	38.4	40.4
St. Johns Bluff Reach: Cut-40 & 41, from Red Buoy-34 to Green Buoy- 35 and East Blount Island Channel Widener	Feb-2000	1200-1400	0.6	38	37.2 (11)	37.8 (11)	37.0 (11)	37.3 (11)
Dames Pt-Fulton Cutoff: Cut-42, from 500 feet east of Red Buoy-36 to Junction with Dames Point Bridge	Mar-2001	500-1200	3.1	38	36.2 (12)	38.2	38.6	35.2 (12)

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		Width (feet)	Length (miles)	Depth (feet)				
Dames Pt Turn thru Quarantine Isl Upper Range: Cut-43 & 44, from Dames Point Bridge to 150 feet north of Green Buoy-51	Nov-2001	550-1200	1.3	38	37.8	38.7	38.2	36.0 (13)
Brills Cut: Cut-45 & 46, from 150 feet north of Green Buoy-51 to Green Buoy-55	Nov-2001	450-625	1.2	38	38.8	39.5	38.9	36.3 (14)
Broward Pt Turn: Cut-47 thru 49, from Green Buoy-55 to 400 feet east of Green Buoy-59	Nov-2001	515-850	0.9	38	31.5 (15)	39.1	39.0	38.7
Drummond Creek Range: Cut-50, from 400 feet east of Green Buoy- 59 to 1,200 feet north of Green Buoy-63	Nov-2001	400-860	1.6	38	38.3	39.2	39.4	37.1 (16)
Trout River Cut: Cut-51, from 1,200 feet north of Green Buoy-63 to 200 feet south of Red Buoy-68	Apr-2002	400-860	1.1	38	38.8	39.5	41.9	39.6
Chaseville Turn: Cut-52 thru 54, from 200 feet south of Red Buoy-68 to approximately 700 feet south of Green Buoy-71	Apr-2002	450-800	0.7	38	36.9 (17)	40.4	39.8	38.2
Long Branch Range: Cut-55, from 700 feet south of Green Buoy-71 to Terminal Channel	Apr-2002	650-1340	0.8	38	36.6 (18)	40.4	41.6	38.2
Terminal Channel: from easterly end of Terminal Channel to end of 38-foot project	Apr-2002	575-1340	1.2	38	34.4 (19)	36.8 (19)	38.1	35.9 (19)
From the limits of the 34-foot project to Red Buoy-78.	Feb-2002	575	0.6	34	26.2 (20)	30.2 (20)	31.8 (20)	32.0 (20)
From Red Buoy-78 to end of Terminal Channel	Feb-2002	575-1150	1.7	34	25.4 (21)	30.0 (21)	23.2 (21)	21.0 (21)
Blount Island Channel: Cut-F & G, from junction of Cut-42 to 200 feet south of Blount Island Bridge	May-2002	300-1000	1.6	38	39.8	40.0	39.2	38.4
Widener; Fulton-Dame Cutoff & Cut-G	May-2002	0-1100	0.3	38	39.4	40.6	39.7	41.4
Blount Island East Channel; (Cut-A)	Feb-2000	300	1	30	21.9 (22)	24.2 (22)	20.6 (22)	17.1 (22)

ENG FORM 4021-R, NOV 90	EDITION OF JUL 59 IS OBSOLETE	(Proponent:CECW-OW)
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		Width (feet)	Length (miles)	Depth (feet)				

Remarks:

1. Minor shoaling throughout left outside and right outside quarters of channel, located 1,500 feet either side of Buoy's 3 & 4. Shoaling along southern edge of channel, 300 feet east of Green Buoy-7 (least depth located here).
2. Shoaling along southern edge of channel, 200 feet east of Green Buoy-7 (least depth located here). Minor shoaling along northern edge of channel.
3. Minor shoaling along both northern and southern edges of channel. Least depth is located approximately 1,100 feet east of Green Buoy-11.
4. Shoaling along southern edge of channel. Least depth located approximately 750 feet westerly of Green Buoy-11 at southern edge of channel. Minor shoaling along northern edge of channel in Cut-6.
5. Shoaling along northern edge of channel at eastern end of Cut-7.
6. Shoaling along northern edge of channel, 200 to 300 feet west of Red Buoy-18.
7. Shoaling along northern side of channel beginning at Red Buoy-20 extending to 600 feet easterly of Red Buoy-22. Least depth is located 200 feet west of Red Buoy-20.
8. Shoaling along northern edge of Cut-14/15, approximately 3,200 feet (0.5 nm) westerly of Red Buoy-24.
9. Shoaling along southern edge of channel, Cut-19, just east of Green Buoy-27.
10. Shoaling along southern edge of channel from Green Buoy-27 extending approximately 1,200 feet westerly. Least depth is located approximately 200 feet west of Green Buoy-27.
11. Shoaling in left outside quarter of Cut-41, approximately 1,200 feet west of Green Light-33. Least depth located in right inside quarter north of Green Buoy-35.
12. Spot shoaling along the northern edge of channel just east of red Buoy-36. Shoaling also located along the southern edge of channel just east of green Buoy-37.
13. Spot shoaling located along the northern edge of channel, just west of Dames Point Bridge.
14. Spot shoaling located along the northern edge of widener, adjacent to Green Buoy-53.
15. Shoaling located along the southern edge of widener, from green Buoy-55 to 700 feet east of green Buoy-57.
16. Spot shoaling located just west of red Buoy-58.
17. Spot shoaling located in vicinity of green Buoy-71.
18. Spot shoaling located along eastern corner of channel between Cut-55 and Terminal Channel.
19. Shoaling located along the eastern and western portions of channel, from approximately 2,000 feet north of and extending to 550 feet south of green Buoy-75.
20. Shoaling continues across entire eastern half of channel beginning 900 feet south of and extending to Green Daybeacon-77. Shoaling then encompasses entire channel to end of reach at Red Buoy-78.
21. Shoaling continues diagonally across channel easterly from Red Buoy-78 to approximately 2,900 feet (0.5 nm) south of Buoy-78. Shoaling also located along the western edge of channel from 400 feet north of and extending to 800 feet south of Johnny Mathews Bridge. Shoaling throughout southern end of channel beginning approximately 800 feet south of Green Buoy-79.
22. Shoaling throughout most of reach.